



PORTABLE DISSOLVED OXYGEN METER

LPRDO-A1 SERIES

Portable dissolved oxygen meter LPRDO-A10

Portable Dissolved oxygen meter LPRDO-A10 is equipped with polarographic sensor to measure the dissolved oxygen content. The manual salinity & barometric pressure compensation helps in accurate measurement of dissolved oxygen. It can store up to 48 sets of data & it is transferrable to PC via USB interface. Due to its portable nature this meter can be used across water purification plants, waste water management plants for testing & quality analysis.

Features

- ❑ Equipped with polarographic sensor & LCD display
- ❑ 1-2 points calibration using air saturated water & zero oxygen solution
- ❑ Manual salinity & barometric pressure compensation for better measurement of dissolved oxygen
- ❑ Stores up to 48 sets of data
- ❑ Data is transferrable to PC via USB interface
- ❑ Built-in real time clock stamps stores data to meet GLP standard
- ❑ Automatic temperature compensation for accurate measured value over the entire range
- ❑ Auto hold function freezes stable, final readings for better viewing and recording
- ❑ Reset function automatically resumes all the settings to default mode
- ❑ Help message as an operational guide for quick beginning to the dissolved oxygen meter

Applications

Portable dissolved oxygen meter has applications in water & waste water management industry, environmental monitoring, surface ground water, research & development, education to detect content of dissolved oxygen.

Portable dissolved oxygen meter LPRDO-A10

Specifications

Model no.	LPRDO-A10
Dissolved oxygen range	0.0 to 20.0 mg/L (or ppm)
Dissolved oxygen accuracy	±0.5 mg/L
Resolution	0.1 mg/L
Calibration points	1-2 points
Sensor type	Polarographic DO probe
Temperature compensation range	0 to 40°C, 32 to 104°F
Barometric pressure correction	60.0 to 112.5kPa, 450 to 850 mmHg
Salinity correction	0-35 g/L
% of saturation of oxygen range	0.0 to 200.0%
% of saturation of oxygen accuracy	±10% F.S.
% of saturation of oxygen resolution	0.1%
Data hold function	Manual
Memory	Stores up to 48 sets of data
Output	USB communication interface
Reset function	Yes
Display	LCD screen
Connector	4-pin mini plug
Battery life	Approximately 150 hours
Power	1*9V/800mA battery
Dimension (L*W*H)	185×88×32 mm
Weight	300 g

Standard accessories

- Dissolved oxygen probe
- Dissolved oxygen Electrolyte solution
- Membrane cap
- 1*9V/800mA battery
- Carrying case

Optional accessories

- Polarographic sensor
- 30mL electrolyte solution per bottle
- Membrane cap

Portable dissolved oxygen meter LPRDO-A11

Portable dissolved oxygen meter LPRDO-A11 is equipped with polarographic sensor to measure the dissolved oxygen content. The manual salinity & barometric pressure compensation helps in accurate measurement of dissolved oxygen. The system menu of dissolved oxygen meter can set 9 parameters such as stability conditions, calibration points etc. Due to its portable nature this meter can be used across water purification plants, waste water management plants for testing & quality analysis.

Features

- ❑ Equipped with polarographic sensor
- ❑ Equipped with large backlit LCD display
- ❑ 1-2 points calibration using air saturated water & zero oxygen solution
- ❑ Manual salinity & barometric pressure compensation for better measurement of dissolved oxygen
- ❑ System menu allows setting the 9 optional parameters
- ❑ Automatic temperature compensation for accurate measured value over the entire range
- ❑ Auto hold function freezes stable, final readings for better viewing and recording
- ❑ Built-in real time clock stamps store data to meet GLP standard
- ❑ Expanded memory stores and recalls up to 500 readings
- ❑ Data is transferrable to PC via USB interface
- ❑ Reset function automatically resumes all the settings to default mode
- ❑ Help message as an operational guide for quick beginning to the dissolved oxygen meter

Applications

Portable dissolved oxygen meter has applications in water & waste water management industry, environmental monitoring, surface ground water, research & development, education to detect content of dissolved oxygen.

Portable dissolved oxygen meter LPRDO-A11

Specifications

Model no.	LPRDO-A11
Dissolved oxygen range	0.0-20.0 mg/L (or ppm)
Dissolved oxygen accuracy	±0.2 mg/L
Resolution	0.01 mg/L
Calibration points	1-2 points
Sensor type	Polarographic DO probe
Temperature compensation range	0 to 50°C, 32 to 122°F, Automatic
Barometric pressure correction	60.0 to 112.5kPa, 450 to 850 mmHg
Salinity correction	0 to 50 g/L
% of saturation of oxygen range	0.0 to 200.0%
% of saturation of oxygen accuracy	±2.0% F.S.
% of saturation of oxygen resolution	0.1, 1%
System menu	Allows setting of 9 parameters
Data hold function	Manual or automatic endpoint detection
Power off	Manual or automatic (10, 20, 30 minutes)
Reset function	Yes
Memory	Stores up to 500 data sets
Output	USB communication interface
Display	Backlit LCD (130×110 mm)
Connector	6 pin mini plug
Calibration due	0 to 31 days
Stability conditions	Low or high
Power	3*1.5V "AA" batteries
Dimension (L*W*H)	170×85×30 mm
Weight	300 g

Standard accessories

- Dissolved oxygen probe
- Dissolved oxygen Electrolyte solution
- Membrane cap • AA batteries
- Carrying case

Optional accessories

- Polarographic sensor
- 30mL electrolyte solution per bottle
- Membrane cap